

## 340 nm UV LED in TO-39 package

### UVTOP™340

### MEMOCVD™

The UVTOP™ is a series of ultraviolet and deep ultraviolet hermetically packaged light emitting diodes with peak emission wavelengths in the range of 250 nm to 365 nm. A MEMOCVD™- grown AlGaIn/GaN LED chip/chip array is encapsulated in a metal-glass TO-39 package with UV-transparent optical window.

Absolute Maximum Ratings

[UVTOP™ -340, Ta=25° C, one chip assembly, research grade]

Parameter	Unit	Maximum rated value	Ambient Temperature
Power Dissipation, DC	mW	180	25° C
Forward current, DC	mA	50	25° C
Pulse Forward Current (duty factor=1%, frequency=1kHz)	mA	500	25° C
Reverse Voltage	V	8	25° C
Storage Temperature	° C	-30 ~ +100	

**Electro-optical characteristics [UVTOP™ -340, Ta=25° C, research grade]**

Parameter	Symbol	Unit	Minimum	Typical	Maximum	Condition
Forward voltage	VF	V		4.8	5.8	IF=20mA
Reverse Current	IR	μA			5	VR=5V
Peak Wavelength	λp	nm	335	340	345	IF=20 mA
Spectrum Half Width	HW	nm		12.0		IF=20 mA

